

ATTN: BOX PATENT APPLICATION

UTILITY PATENT APPLICATION TRANSMITTAL

Docket No.: 02-691 Date: March 2, 2004

Sheet 1 of 2

Date: March 2, 200

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	U.S. Express Mail Label No.: EV185279918US  eventor Name(s): GREGORY A. BOARDMAN				
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Title:					
BU	RNER I	FOR A	GAS TURBINE EN	IGINE	
X	Fee T	ransmit	tal Form Attached	in Duplicate	
x	Specia	fication	and Claim(s)	[Total Pages 15]	
X	Drawing(s)			[Total Sheets 3]	
	FOR	RMAL			
Declar	Declaration  Newly Executed ((			[Total Pages 1]	
	X	Newl	y Executed (Origi	nal or Copy)	
		Сору	From Prior Appli	cation (37 CFR § 1.63(d))	
			Deletion of Inve (Signed Stateme	entor(s) (37 CFR § 1.63(d)(2)) ent Attached)	
x	Assignment Papers (Cover Sheet and Document(s))				
	37 CF	R § 3.7	(3(b) Statement (if	applicable)	
	English Translation Document (if applicable)				
x	Information Disclosure Statement (IDS)/PTO-1449				
	X	Copie	es of IDS Citations	3	
	<u> </u>				
X	Preliminary Amendment  Return Receipt Postcard (Specifically Itemized)				
	Certified Copy of Priority Document(s)				
	Other				

Sheet 2 of 2 If a Continuing Application Continuation Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: Examiner: ; and Group/Art Unit: Cancel Claims: For Continuations or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied, as set forth above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. Correspondence Address:  $\mathbf{x}$ Customer Number or Bar Code Label: 719 or Correspondence address below: Name: Address: City: Zip Code: State: Country: Attorney/Agent: Keith P. Roberson Registration No.: 43,885 Date: \_3/02/04 Signature: Caterpillar Inc.

Complete if Known

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FFF TRANSMITTA

Filing Date (Herewith)  First Named Inventor Gregory A. Boardman  Examiner Name (Unassigned)  Attorney Docket No. 0.2-691  METHOD OF PAYMENT (s) 928  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Other None Order  Deposit Account Order  Deposit Account Name  The Commissioner is authorized to: (check all that apply)  Charge fee(s) indicated below (x) Credit any overpayments of the above-identified deposit account.  Charge re(s) indicated below except for the filing fee or the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or cover sharing action of the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or cover sharing action of the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or cover sharing action of the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or cover sharing action of the above-identified deposit account.  The Commissioner is authorized to: (check all that apply)  Scharge fee(s) indicated below except for the filing fee or cover sharing action of the application of SIR after Example action for reply within first month in the cover is a cover sharing action for reply within first month in the cover is a cover s							
Examiner Name    Clinary   Fee   Fee   Fee   Fee   Cade unity   Sample   Sa							
Applicant claims small entity status. See 37 CFR 1.27	Gregory A. Boardman						
TOTAL AMOUNT OF PAYMENT (\$) 928   Attorney Docket No.     02-691							
METHOD OF PAYMENT (check all that apply)  □ Check □ Credit Card □ Money □ Other □ None □ Deposit Account   Account   O3-1129							
Check	Attorney Docket No. 02-691						
Check							
Large Entity   Small Entity   Fee							
Deposit							
Account Number Deposit Account Name The Commissioner is authorized to: (check all that apply)    X   Charge fee(s) indicated below   X   Credit any overpayments   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*							
Number Deposit Account Name  The Commissioner Is authorized to: (check all that apply)    Charge fee(s) indicated below   X   Credit any overpayments   1804   920*   1804   1805	_						
Account Name  The Commissioner is authorized to: (check all that apply)  X Charge fee(s) indicated below X Credit any overpayments Charge any additional fee(s) during the pendency of this application Charge any additional fee(s) during the pendency of this application Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Ped Code (\$)	_						
Name The Commissioner is authorized to: (check all that apply)    Charge fee(s) indicated below   X   Credit any overpayments   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1804   920*   1805	- 1						
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Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE  Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Pee Description Fee Pald  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	_						
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.    1805   1,840*   Requesting publication of SIR after Examiner action   1251   110   11							
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE  Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Pee Fee Description Fee Pald  1. Code (\$) Code (\$) Code (\$)  1. Code (\$)	ヿ						
1252   410   2252   205   Extension for reply within second month   1253   930   2253   465   Extension for reply within third month   1254   1,450   2254   725   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   2255   985   Extension for reply within firth month   1255   1,970   1401   320   2401   160   Notice of Appeal   1401   320   2402   160   Filing a brief in support of an appeal   1403   280   2403   140   Request for oral hearing   1451   1,510   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unintentional   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee   1503   630   2503   315   Plant issue fee   1503   1460   130   Petitions to the Commisioner   1501   1460   130   Petitions to the Commisioner   1502   1460   130   Petitions to the Commisioner   1502   1460   130   Petitions to the Commisioner   1502   1460   130   Petitions to the Commisioner   1503   1460   14	一						
1. BASIC FILING FEE   Large   Entity   Small   Entity   Entity   Small   Entity   Entity   Small   Entity   E	ヿ						
Large   Entity   Small   Entity   Fee	ヿ						
Fee   Fee   Code (\$)   Code (\$)							
1001   750   2001   375   Utility filing fee   770   1401   320   2401   160   Notice of Appeal   1402   330   2002   165   Design filing fee   1403   280   2403   140   Request for oral hearing   1403   280   2403   140   Request for oral hearing   1404   1405   14	$\Box$						
1002   330   2002   165   Design filing fee   1403   280   2403   140   Request for oral hearing   1404   1405							
1003   520   2003   260   Plant filing fee   1403   280   2403   140   Request for oral hearing   1451   1,510   Petition to institute a public use proceeding   1451   1,510   Petition to revive - unavoidable   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1503   630   2503   315   Plant issue fee   1460   130   Petitions to the Commissioner   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1503   630   2503   315   Plant issue fee   1503   1460   130   Petitions to the Commissioner   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2501   650   Utility issue fee (or reissue)   1501   1,300   2501   650   Utility issue fee   1503   630   2503   315   Plant issue fee   1503   1460   130   Petitions to the Commissioner   1453   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1503   1460   130   Petitions to the Commissioner   1453   1,510   Petition to revive - unavoidable   1453   1,510	_						
1004   730   2004   373   Reissue lilling fee   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1503   630   2503   315   Plant issue fee   1503   630   1460   130   Petitions to the Commissioner   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee   1502   2502   235   Design issue fee   1503   630   2503   315   Plant issue fee   1503   1460   130   Petitions to the Commissioner   1452   110   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Petition to revive - unavoidable   1453   1,300   2501   650   Utility issue fee   1503   2503   315   Plant issue fee   1503   2503   315   Plant issue fee   1503   2503   315   Plant issue fee   1503   2503	_						
SUBTOTAL (1) (\$) 770	_						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    1501   1,300   2501   650   Utility issue fee (or reissue)	4						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE   1502   470   2502   235   Design issue fee	$\dashv$						
Extra Claims   below   Fee Paid   1503   630   2503   315   Plant issue fee	ᅱ						
Total Claims 24 -20** = 4 X 18 = 72 1460 130 1460 130 Petitions to the Commissioner	낵						
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Multiple Dependent = 1806 180 1806 Submission of Information Disclosure Stmt	╗						
Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Description 8021 40 8021 40 Recording each patent assignment per	ヿ						
Code (\$) Code (\$) property (times number of properties)	┥						
1202 18 2002 9 Claims in excess of 20 1809 750 2809 375 (37 CFR 1.129(a))	4						
1810 /30 2810 3/3 examined (37 CFR 1.129(b))	╝						
1203 280 2203 140 Multiple dependent claim, if not paid 1801 750 2801 375 Request for Continued Examination (RCE)	ヿ						
over original patent 1802 900 Request for expedited examination	ヿ						
1205 18 2205 9 ** Reissue claims in excess of 20	┩						
Other fee (specify)	┙						
Reduced by Basic Filling Fee Paid	$\Box$						
SUBTOTAL (3) (\$)							
SUBMITTED BY (Complete (if applicable) )							
Name (Print/Type) Keith P. Roberson Registration No. (Attorney/Agent) 43,885 Telephone (309) 675-1668							
Account   Name   The Commissioner is authorized to: (check all that apply)   1812   2,520   1							

WARNING: Information on this form may become public. Credit card information should not

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to provess) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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